

Organization of a Research Paper:

Introduction

A good introduction is relatively short. It tells why the reader should find the paper interesting, explains why the author carried out the research, and gives the background the reader needs to understand and judge the paper.

Specifically, the Introduction defines the nature and extent of the problems studied, relates the research to previous work (usually by a brief review of the literature clearly relevant to the problem), explains the objectives of investigation, and defines any specialized terms or abbreviations to be used in what follows. Remember that the Introduction leads logically to, and clearly states, the hypothesis or principal theme of the paper.

The Introduction should be relatively brief; most journals recommend less than 500 words. Avoid repetition: do not repeat the Abstract in the Introduction (and Introduction in the Discussion). Do not go into an extensive literature review; two to four most relevant and recent citations should be adequate to corroborate a statement. Do not repeat well-known facts nor state the obvious. For example, it is disappointing that even now, i.e., after more than 30 years of concerted efforts in scientific agroforestry and a large volume of literature in the subject, some manuscripts—and, interestingly, some editors—insist on providing a definition of agroforestry in any article on that subject! The Introduction section also may use different tenses: justification and motivation of the study is presented in present tense ("Soils store relatively large amounts of carbon in terrestrial ecosystems."), whereas the review of literature is presented in past tense ("Studies showed that ..."), or in present perfect tense if it is common knowledge ("Studies have shown that ..."). The objective is written in past tense ("The objective of the current study was ..."). Different journals follow different norms and styles. Some want discussion of literature in the Introduction while some want it in the Discussion section. Some journals require a brief account of the Materials and Methods to be included in the Introduction section, and some may want even the important conclusions presented in the Introduction section, although that tendency is now disappearing.

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Emory Langford



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